**Concurrent Collection– Part\_07**

* **Difference between HashMap and ConcurrentHashMap:**

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| **S.No** | **HashMap** | **ConcurrentHashMap** |
| 1 | Not Thread-safe | Thread-safe |
| 2 | Relatively performance is high because threads are not required to wait to operate on HashMap | Relatively performance is low, because sometimes threads are required to wait to operate on ConcurrentHashMap |
| 3 | While one thread iterating HashMap, the other threads are not allowed to modify Map object, otherwise we will get ConcurrentModification Exception. | While one thread iterating ConcurrentHashMap the other threads are allowed to Modify Map objects in safe manner and it won’t throw ConcurrentModificationException |
| 4 | Iterator of HashMap is fail-fast and it throws ConcurrentModificationException | Iterator of ConcurrentHashMap is fail-safe and it won’t throw ConcurrentModificationException. |
| 5 | Null is allowed for Both keys and values | Null is not allowed for both keys and values. Otheriwse we will get NullPointerException. |
| 6 | Introduced in 1.2 version | Introduced in 1.5 version |